

Patent Abstracts of Japan

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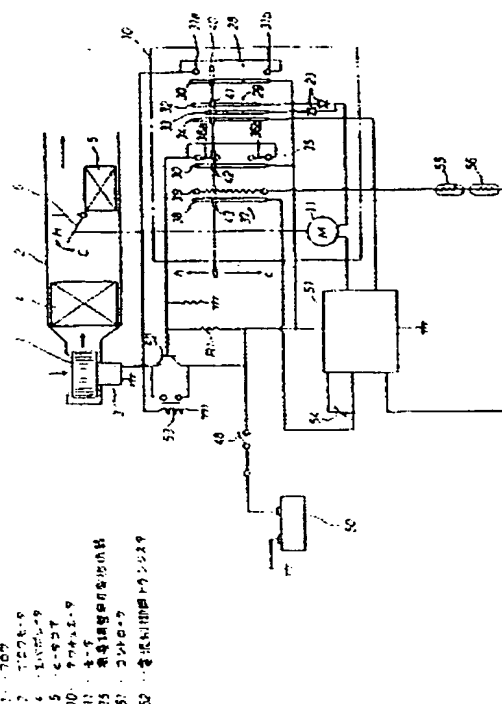
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APPLICANT : NIPPON DENSO CO LTD;

INVENTOR : SHIMODA KATANOBU;

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TITLE : AIR CONDITION CONTROL DEVICE
FOR AUTOMOBILE



ABSTRACT : PURPOSE: To make a device compact, by using a variable resistor providing a predetermined resistance according to control amount of an actuator for controlling temperature of a blowing air, and controlling electric power to be supplied to a blower according to the resistance.

CONSTITUTION: When a set temperature is higher than a room temperature, a controller 51 controls to drive a motor 11 and rotate an air mix damper 6 in a direction H. As a result, an amount of air passing through a heater core 5 is increased to increase temperature of a blowing air. At this time, a gear of an actuator 10 is rotated to move slide contacts 40-43 in a direction h. Resistance of a variable resistor 35 for regulating the amount of air is decreased as the contact 42 moves on a resistor 36a in the direction h to place a rotational position of the damper 6 in an intensive heating state. As a result, base current of a transistor 52 is increased, and base voltage is also increased to increase current of a blower motor 3 and increase a rotational speed thereof, thus increasing the amount of air. The variable resistor 35 is installed with the gear of the actuator 10 to thereby make the device compact.

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